

**To:** Kutscher, Chuck[Chuck.Kutscher@nrel.gov]  
**From:** McGrath, Shaun  
**Sent:** Sun 8/9/2015 6:54:48 PM  
**Subject:** Re: Diluting Animas Chemical Spill in Lower San Juan

Thx Chuck. Really appreciate the suggestion, and in fact BoR did make a release out of Navajo yesterday. We are still evaluating what effect the release has had on the plume.

Sent from my iPhone

> On Aug 9, 2015, at 11:54 AM, Kutscher, Chuck <Chuck.Kutscher@nrel.gov> wrote:

>

> As I think more about it, perhaps slowly ramping up a release after the worst passes makes sense. Then it would be diluted more and more as the flow moves up the banks. I'm sure you have experts who will know the best approach.

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> From: Chuck Kutscher <chuck.kutscher@nrel.gov<mailto:chuck.kutscher@nrel.gov>>

> Date: Sunday, August 9, 2015 at 11:51 AM

> To: Shaun McGrath <mcgrath.shaun@epa.gov<mailto:mcgrath.shaun@epa.gov>>

> Subject: FW: Diluting Animas Chemical Spill in Lower San Juan

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> Hi Shaun,

>

> Please see my question to the Bureau of Rec below. Perhaps a large release after the contaminant flow ends might work. Sorry this happened. Good luck!

>

> Best,

> Chuck

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> From: Chuck Kutscher <chuck.kutscher@nrel.gov<mailto:chuck.kutscher@nrel.gov>>

> Date: Sunday, August 9, 2015 at 11:47 AM

> To: Ryan Christianson <rchristianson@usbr.gov<mailto:rchristianson@usbr.gov>>, Susan Behery <sbehery@usbr.gov<mailto:sbehery@usbr.gov>>

> Subject: Diluting Animas Chemical Spill

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> Ryan and Susan,

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> See <http://www.sltrib.com/home/2812762-155/blm-warns-utahns-to-avoid-san>. Can you folks make a big release out of Navajo to dilute the spill and protect the San Juan from chemical and heavy metals, or would that expose the banks to more contamination?

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> Regards,

> Chuck

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